Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A substrate machining method for machining a substrate, comprising: the step of

cutting the substrate through a first from its one surface by use of a rotating as a disk-like blade to produce a cut surface is rotated; and

irradiating with laser light <u>an the edge of the a cut surface</u>, of the substrate, that is located in the vicinity of <u>a second surface of the substrate</u>, opposite from the first the other surface.

- 2. (Currently Amended) A substrate machining method according to claim 1, wherein the entirety all of the cut surface of the substrate is irradiated with the laser light.
- 3. (Currently Amended) A substrate machining method according to claim 1 or -2, wherein the <u>irradiating is performed</u> by laser is a YAG laser or a CO_2 laser.
- 4. (Currently Amended) A substrate machining method according to claim 1, wherein a dicing tape is adhered to the second other surface of the substrate; and the laser light is irradiated after cutting only the substrate and expanding the dicing tape.

- 5. (Currently Amended) A substrate machining method according to claim 1, wherein the laser light is irradiated onto the cut surface as the disk-like blade creates a second cut surface a street that has been already formed and is different from a street being formed by cutting the substrate by the disk-like blade.
- 6. (Currently Amended) A substrate machining method according to claim 1, wherein the laser light is irradiated onto the cut surface a street, that is being formed by cutting the substrate by the disk-like blade, while following the movement of the disk-like blade.
- 7. (Currently Amended) A substrate machining apparatus for machining a substrate, comprising:
- a disk-like blade that is rotated to cut the substrate through a first from its one surface to produce a cut surface; and
- a laser light irradiating portion for irradiating a laser light to the portion, of a the cut surface of the substrate, that is located in the vicinity of a second surface the other surface of the substrate, opposite from the first surface.
- 8. (Currently Amended) A substrate machining apparatus according to claim 7, wherein the laser light irradiating portion <u>irradiates</u> can <u>irradiate</u> the laser light onto the entirety all of the cut surface of the substrate.

- 9. (Currently Amended) A substrate machining apparatus according to claim 7 or 8, wherein the laser light irradiating portion is a YAG laser light irradiating portion or a CO₂ laser light irradiating portion.
- 10. (New) A substrate machining method according to claim 1, wherein said irradiating with a laser light comprises irradiating the edge of the cut surface until the edge of the cut surface melts.
- 11. (New) A substrate machining method according to claim 10, further comprising allowing the melted cut surface to cool and harden thus forming a stronger layer than a remainder of the substrate.
- 12. (New) A substrate machining method according to claim 1, wherein the cutting and irradiating is performed on a substrate comprised of a silicon wafer.
- 13. (New) A substrate machining apparatus according to claim 7, wherein the laser light irradiates the edge of the cut surface until the edge of the cut surface melts.
- 14. (New) A substrate machining apparatus according to claim 7, wherein the substrate is a silicon wafer.
- 15. (New) A substrate machining method for machining a substrate, comprising:

cutting the substrate through a first surface by use of a rotating disk-like blade to produce a cut surface; and

irradiating with laser light an edge of the cut surface of the substrate.